

```
1: // $Id: macros.cpp,v 1.1 2018-01-22 14:07:15-08 - - $
2:
3: #include <cassert>
4: #include <iomanip>
5: #include <iostream>
6: using namespace std;
7:
8: #define PRINT(ITEM) cout << #ITEM << " = \"" << ITEM << "\"" << endl;
9:
10: int main (int argc, char **argv) {
11:     (void) argc; // : unused parameter 'argc' [-Wunused-parameter]
12:     PRINT (argv[0]);
13:     PRINT (__FILE__);
14:     PRINT (__LINE__);
15:     PRINT (__func__);
16:     PRINT (__PRETTY_FUNCTION__);
17:     PRINT (__DATE__);
18:     PRINT (__TIME__);
19:     PRINT (__STDC__);
20:     #ifdef __STDC_VERSION__
21:     PRINT (__STDC_VERSION__);
22:     #endif
23:     #ifdef __cplusplus
24:     PRINT (__cplusplus);
25:     #endif
26:     #ifdef __GNUC__
27:     PRINT (__GNUC__);
28:     PRINT (__GNUC_MINOR__);
29:     PRINT (__GNUC_PATCHLEVEL__);
30:     #endif
31:     PRINT (__BASE_FILE__);
32:     PRINT (__INCLUDE_LEVEL__);
33:     PRINT (__VERSION__);
34:     return 0;
35: }
36:
37: //TEST// ./macros >macros.lis 2>&1
38: //TEST// mkpspdf macros.ps macros.cpp* macros.lis
39:
```

```
yle-cast macros.cpp -o macros -lm
```

```
1: argv[0] = "./macros"
2: __FILE__ = "macros.cpp"
3: __LINE__ = "14"
4: __func__ = "main"
5: __PRETTY_FUNCTION__ = "int main(int, char**)"
6: __DATE__ = "Jan 22 2018"
7: __TIME__ = "14:07:15"
8: __STDC__ = "1"
9: __cplusplus = "201500"
10: __GNUC__ = "6"
11: __GNUC_MINOR__ = "3"
12: __GNUC_PATCHLEVEL__ = "1"
13: __BASE_FILE__ = "macros.cpp"
14: __INCLUDE_LEVEL__ = "0"
15: __VERSION__ = "6.3.1 20170216 (Red Hat 6.3.1-3)"
```